

FIG. 1A

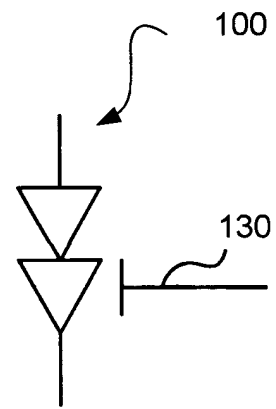


FIG. 1B

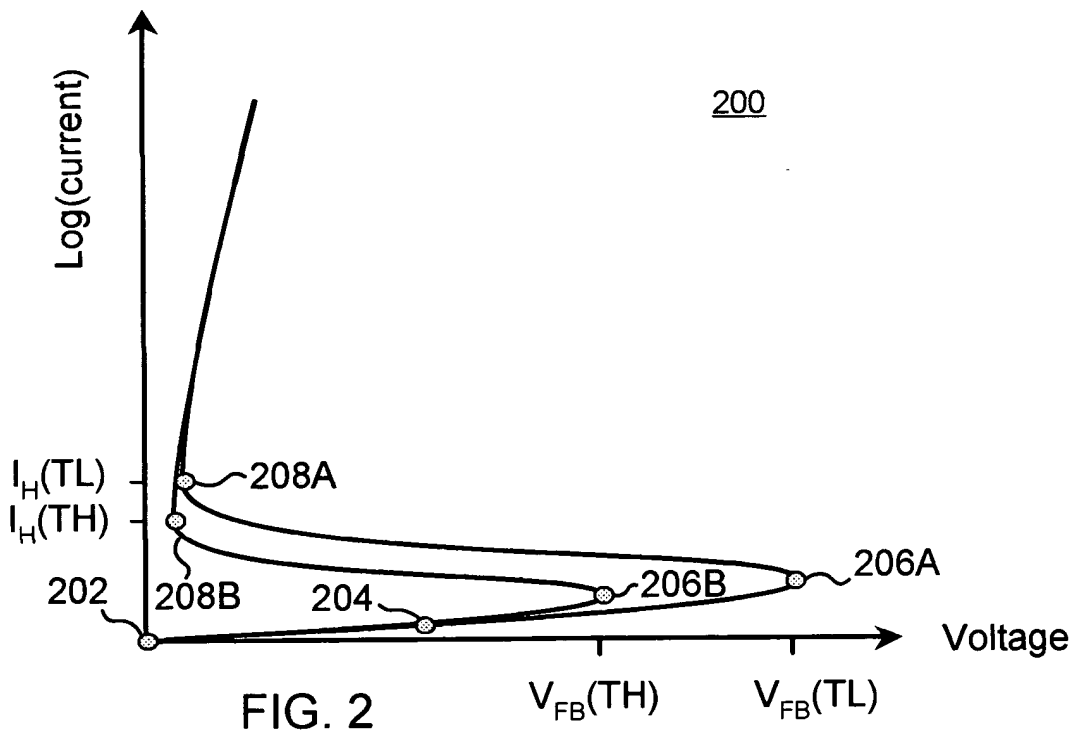


FIG. 2



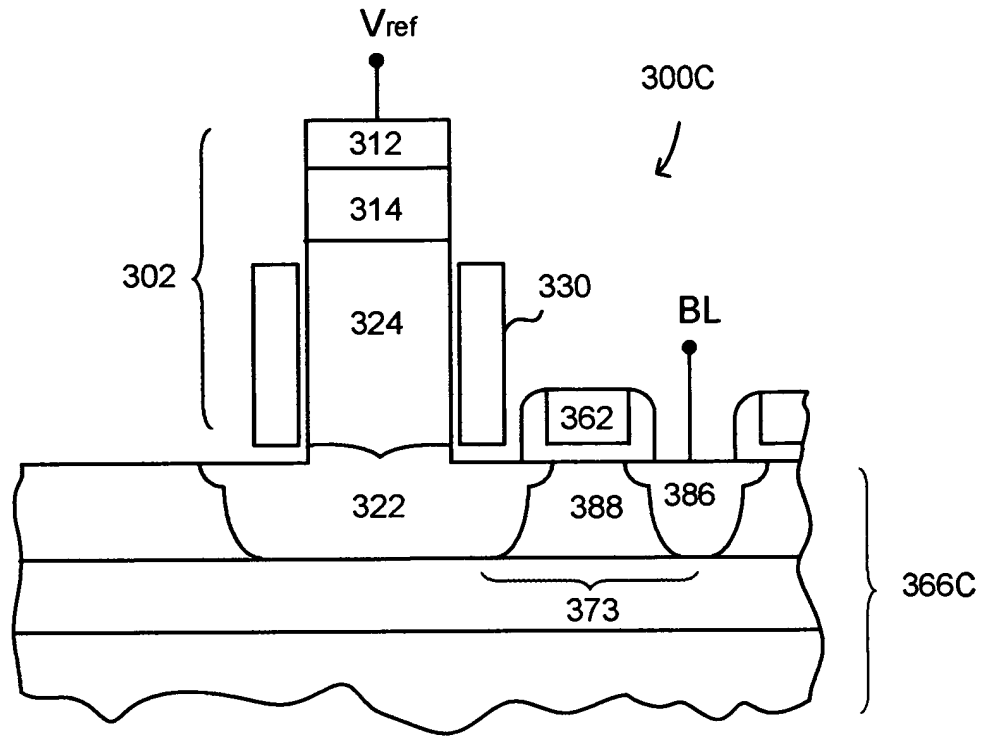


FIG. 3C

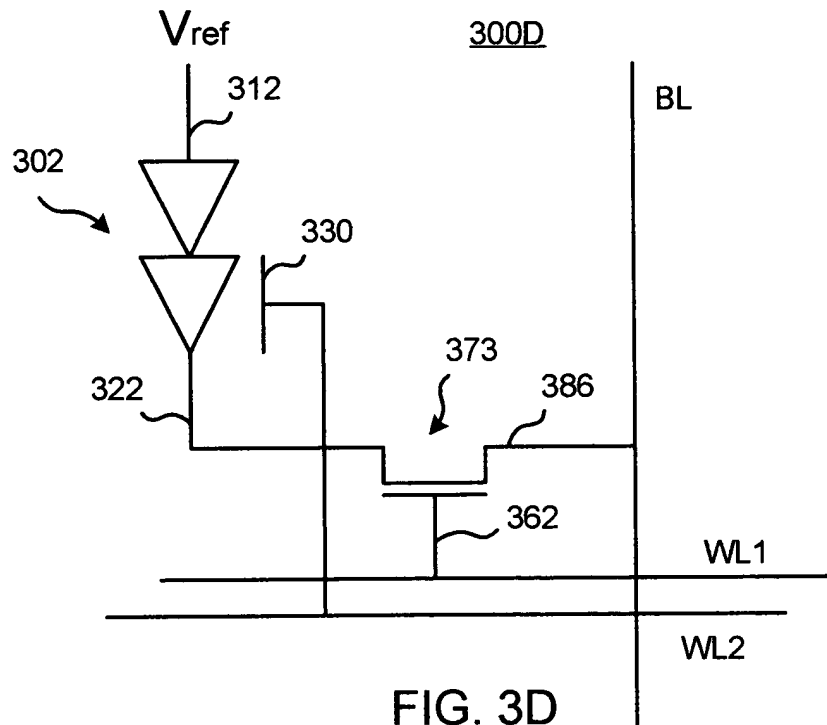


FIG. 3D

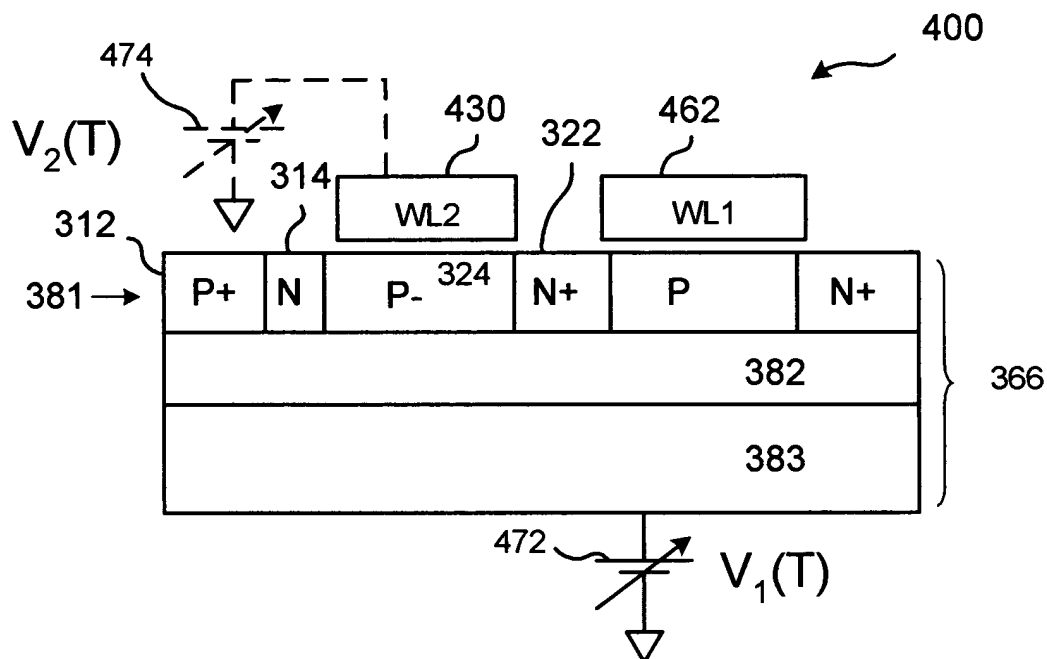


FIG. 4

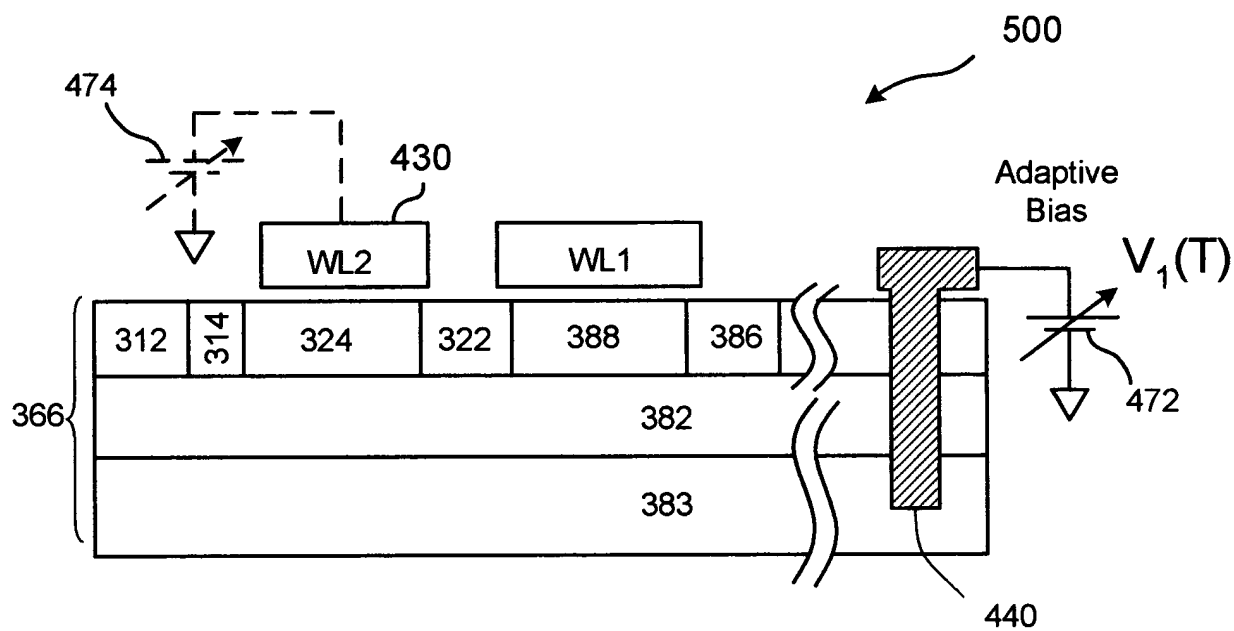


FIG. 5



FIG. 6



FIG. 7A

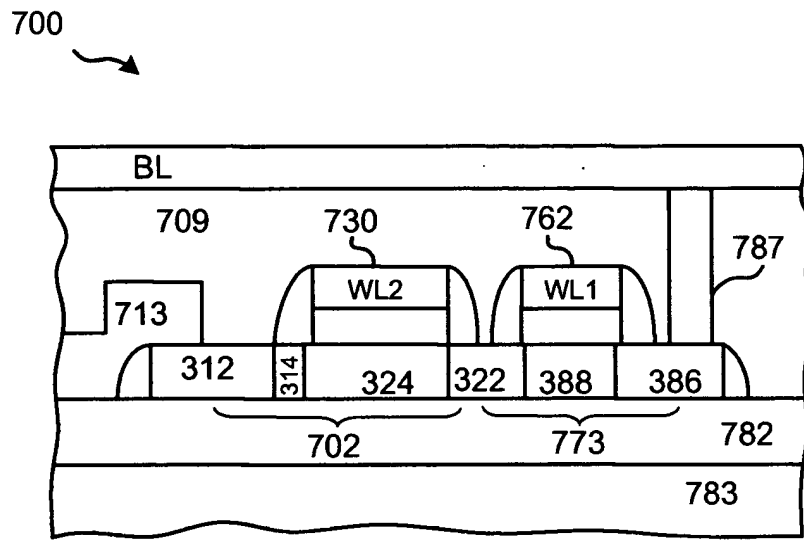


FIG. 7B

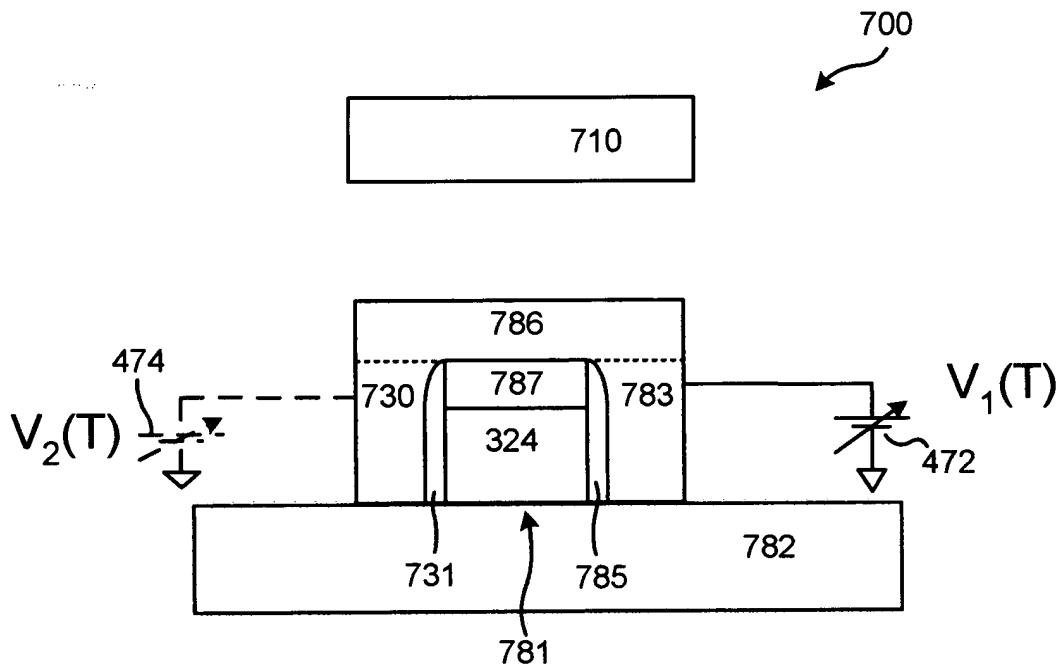


FIG. 7C

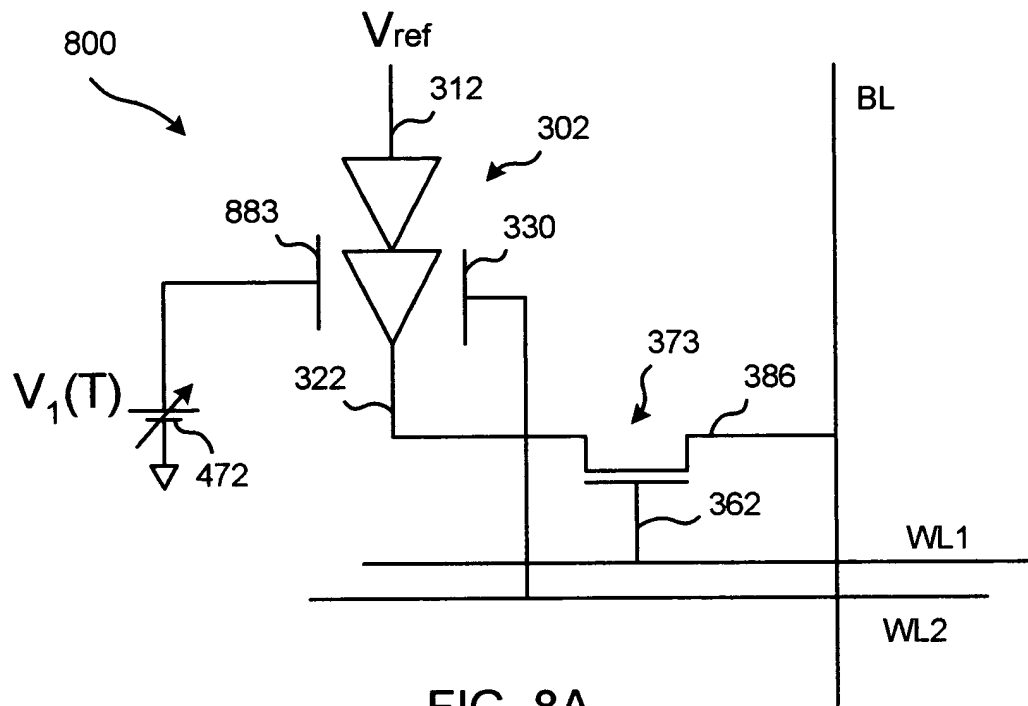


FIG. 8A

802

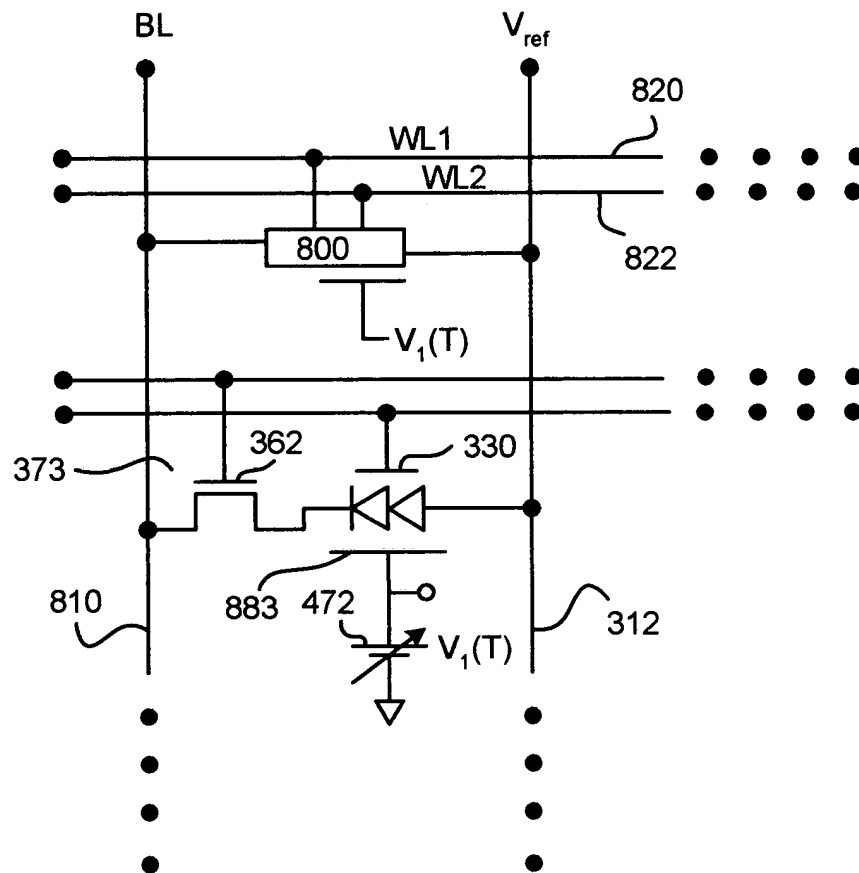


FIG. 8B

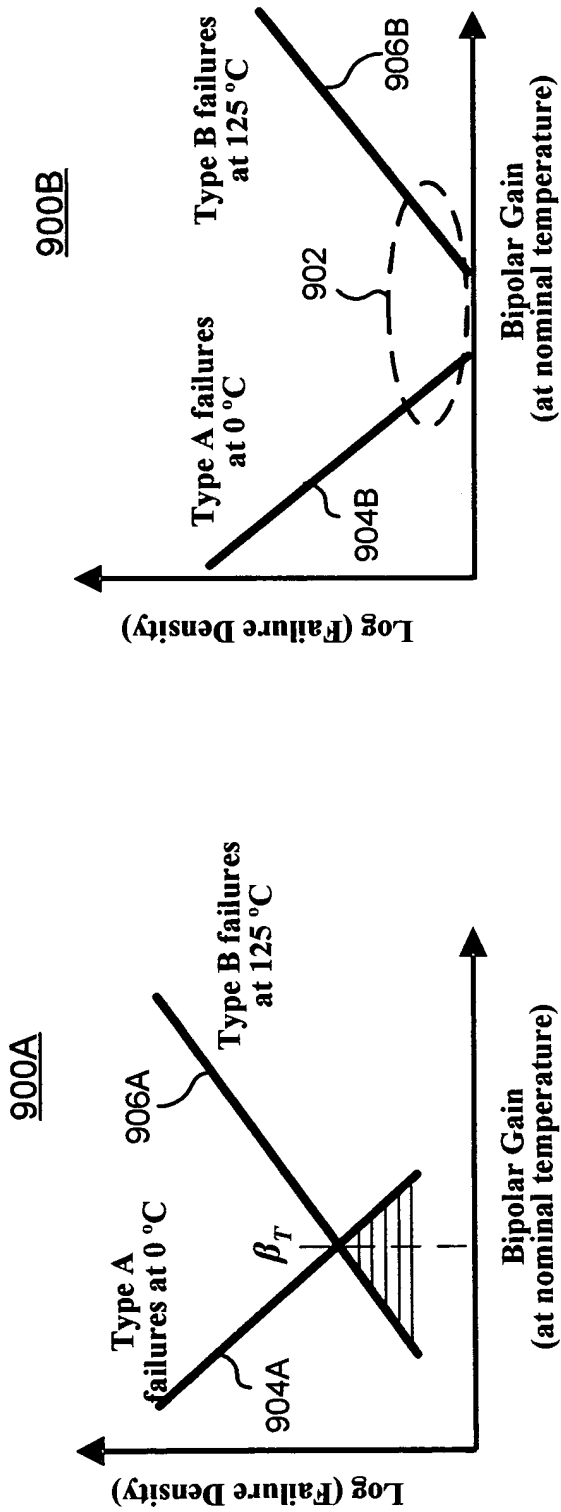


FIG. 9A
(Prior Art)

FIG. 9B

Bipolar gain decreases
as temperature decreases

+

Bias decreases with temperature
NPN Gain increases with bias

=

Adaptive bias
to flatten gain

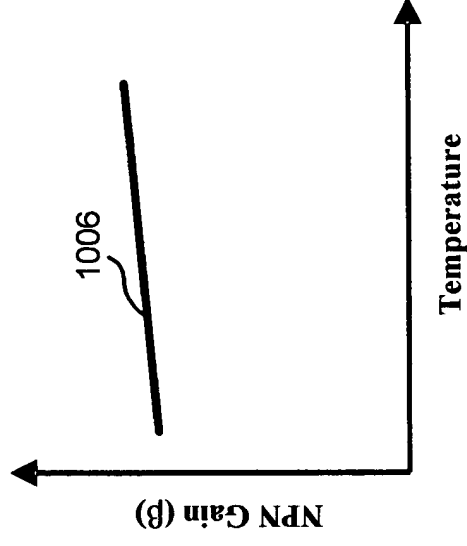
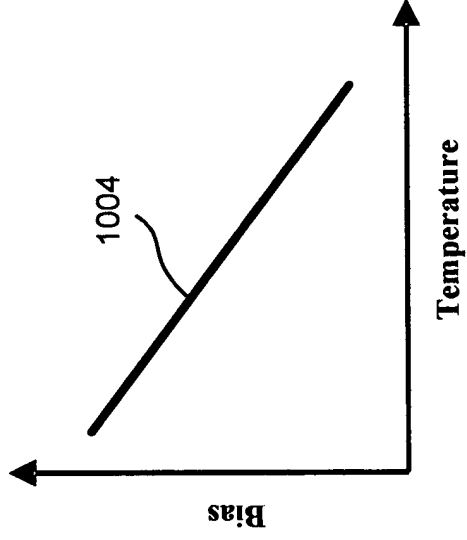
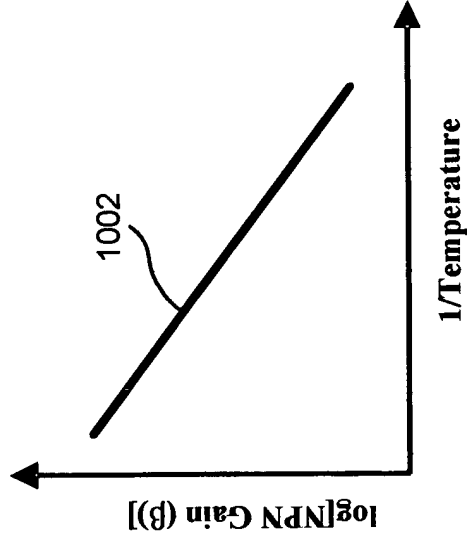


FIG. 10